

Title (en)

PRODUCTION OF MEGAKARYOCYTES BY CO-CULTURING HUMAN MESENCHYMAL STEM CELLS WITH CD34+ CELLS

Title (de)

HERSTELLUNG VON MEGAKARYOZYTEN DURCH DIE KO-KULTUR VON HUMANDEN MESENCHYMALEN STAMMZELLEN MIT CD34+ ZELLEN

Title (fr)

PRODUCTION DE MEGACARYOCYTES PAR CO-CULTURE DE CELLULES SOUCHES MESENCHYMATEUSES HUMAINES AU MOYEN DE CELLULES CD34+

Publication

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Application

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Abstract (en)

[origin: WO9961588A1] The present invention is directed to hematopoietic progenitor cells isolated from a tissue specimen, such as marrow cells or peripheral blood, and to the method of co-culturing isolated hematopoietic progenitor cells with human mesenchymal stem cells to induce megakaryocyte differentiation and platelet production. In addition, hematopoietic stem cells can be genetically engineered to carry genes of interest particularly for the expression of physiologically active proteins. In the presence of mesenchymal stem cells, the transduced cells carry the new genetic material and express gene products that can be used to modulate blood disorders.

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IPC 8 full level

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